

Recombinant Full Length Human AGL5 Protein, GST-tagged

Cat. No. AGL5-997HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AGL5 full-length ORF (ENSP00000323681, 1 a.a. - 724 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	724 amino acids
Description	This gene encodes a metallocarboxypeptidase involved in protein deglutamylation and a member of the peptidase M14 family of proteins. The encoded protein has been described as a "dual-functional" deglutamylase that can remove glutamate residues from both carboxyl termini and side chains of protein substrates. This deglutamylase activity may be important in antiviral immunity. Mutations in this gene are associated with retinitis pigmentosa. [provided by RefSeq, Jul 2016]
Molecular Mass	106.8 kDa
AA Sequence	MNMNKQSKLY SQGMAPFVRT LPTRPRWERI RDRPTFEMTE TQFVLSFVHR FVEGRGATTF FAFCYPFYSYS DCQELLNQLD QRFPENHPTH SSPLDTIYYH RELLCYSLDG LRVDLLTITS CHGLREDREP RLEQLFPDTS TPRPFRFAGK RIFFLSSRVH PGETPSSFVF NGFLDFILRP DDPRAQTLRR LFFVKLIPML NPDGVVVRGHY RTDSRGVNLN RQYLKPD AVL HPAIYGAKAV LLYHHVHSRL NSQSSSEHQP SSCLPPDAPV SDLEKANNLQ NEAQC GHSAD RHNAEAWKQT EPAEQKLNSV WIMPQQSAGL EESAPDTIPP KESGVAYYVD LHGHASKRGC

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FMYGNSFSDE STQVENMLYP KLISLNSAHF DFQGCNFSEK NMYARDRRDG
 QSKEGSGRVA IYKASGIIHS YTLECNNTG RSVNSIPAAC HDNGRASPPP
 PPAFPSRYTV ELFEQVGRAM AIAALDMAEC NPWPRIVLSE HSSLTNLRAW
 MLKHVRNSRG LSSTLNVGVN KKRGLRTPPK SHNGLPVSCS ENTLRARSF
 STGTSAGGSS SSQQNSPQMK NSPSFPFHGS RPAGLPGLGS STQKVTHRVL
 GPVREPRSQD RRRQQQPLNH RPAGSLAPSP APTSSGPASS HKLGSCLLPD
 SFNIPGSSCS LLSSGDKPEA VMVIGKGLLG TGARMPCIKT RLQTCPRRVS
 ARRGPFPRL GPGWAGAHRR LAEG

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AGBL5 ATP/GTP binding protein-like 5 [Homo sapiens]
Official Symbol	AGBL5
Synonyms	AGBL5; ATP/GTP binding protein-like 5; cytosolic carboxypeptidase-like protein 5; FLJ21839; ATP/GTP-binding protein-like 5
Gene ID	60509
mRNA Refseq	NM_001035507



Protein Refseq	NP_001030584
MIM	615900
UniProt ID	Q8NDL9

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